

Docket No. AUS9-2000-0457-US1

CLAIMS:

What is claimed is:

5 1. A method for managing result information in a multi-node networked data processing system; the method comprising:
receiving, at a first node, first results of execution from a task executed on a second node in the
10 networked data processing system, wherein the results comprise an array of result messages, wherein each result message contains a unique message identifier and associated message text content;
modifying the result messages to create second results, wherein the second results comprise an array of result message; and
15 sending the second results to a requesting client node.

20 2. The method as recited in claim 1, wherein the result messages comprise at least one log entry.

3. The method as recited in claim 2, wherein the log entry comprises a system log.

25 4. The method as recited in claim 2, wherein the log entry comprises a security log.

5. The method as recited in claim 2, wherein the log
30 entry comprises an audit log.

6. The method as recited in claim 2, wherein the log entry comprises an application log.

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7. The method as recited in claim 1, wherein at least one of the entries in the result messages is an error message and includes a severity field indicating a 5 severity of the error.

8. The method as recited in claim 7, wherein the severity field is a warning.

10 9. The method as recited in claim 7, wherein the severity field is an informational field.

10. A method for transmitting log entries within result data structures through a chain of nodes in a multi-node 15 networked data processing system, the method comprising: sending, from a first node, a command request to a second node;

receiving, at the first node, results of execution from the second node, wherein the result contains both 20 the program result from the one or more tasks executed and an array of log messages, wherein each log message contains a unique identifier and associated text content; and

25 modifying the set of log messages received in the result to produce a modified result and placing the modified result into a log system on the first node.

11. The method as recited in claim 10, further comprising:

30 transmitting the modified result to a requesting node.

12. The method as recited in claim 10, wherein at least

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some of the set of log messages in the modified result are identical to corresponding log messages in the result.

5 13. The method as recited in claim 10, wherein the modified result contains all of the log messages contained within the result.

10 14. The method as recited in claim 10, wherein the modified result contains none of the log messages contained within the result.

15 15. The method as recited in claim 10, wherein the step of modifying comprises placing a modified log entry in the modified results corresponding to an unmodified log entry in the set of log messages in the results.

20 16. The method as recited in claim 10, wherein modifying the set of log messages comprises translating at least one of the log entries in the set of log entries from a first language into a primary language of the requesting client node if the first language is different from the primary language of the requesting client node.

25 17. The method as recited in claim 16, wherein the translating the log entries comprises matching the message identification of a log entry with a corresponding replacement text in the primary language of the requesting client node.

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18. A computer program product in a computer readable media for use in a data processing system for managing result information in a multi-node networked data

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processing system; the computer program product comprising:

5 first instructions for receiving, at a first node, first results of execution from a task executed on a second node in the networked data processing system, wherein the results comprise an array of result messages, wherein each result message contains a unique message identifier and associated message text content;

10 second instructions for modifying the result messages to create second results, wherein the second results comprise an array of result message; and

third instructions for sending the second results to a requesting client node.

15 19. The computer program product as recited in claim 18, wherein the result messages comprise at least one log entry.

20 20. The computer program product as recited in claim 19, wherein the log entry comprises a system log.

21. The computer program product as recited in claim 19, wherein the log entry comprises a security log.

25 22. The computer program product as recited in claim 19, wherein the log entry comprises an audit log.

23. The computer program product as recited in claim 19, wherein the log entry comprises an application log.

30 24. The computer program product as recited in claim 18, wherein at least one of the entries in the result messages is an error message and includes a severity

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field indicating a severity of the error.

25. The computer program product as recited in claim 24, wherein the severity field is a warning.

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26. The computer program product as recited in claim 24, wherein the severity field is an informational field.

27. A computer program product in a computer readable media for use in a data processing system for transmitting log entries within result data structures through a chain of nodes in a multi-node networked data processing system, the computer program product comprising:

15 first instructions for sending, from a first node, a command request to a second node;

second instructions for receiving, at the first node, results of execution from the second node, wherein the result contains both the program result from the one 20 or more tasks executed and an array of log messages, wherein each log message contains a unique identifier and associated text content; and

third instructions for modifying the set of log messages received in the result to produce a modified 25 result and placing the modified result into a log system on the first node.

28. The computer program product as recited in claim 27, further comprising:

30 fourth instructions for transmitting the modified result to a requesting node.

29. The computer program product as recited in claim 27,

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wherein at least some of the set of log messages in the modified result are identical to corresponding log messages in the result.

5 30. The computer program product as recited in claim 27, wherein the modified result contains all of the log messages contained within the result.

10 31. The computer program product as recited in claim 27, wherein the modified result contains none of the log messages contained within the result.

15 32. The computer program product as recited in claim 27, wherein the step of modifying comprises placing a modified log entry in the modified results corresponding to an unmodified log entry in the set of log messages in the results.

20 33. The computer program product as recited in claim 27, wherein modifying the set of log messages comprises translating at least one of the log entries in the set of log entries from a first language into a primary language of the requesting client node if the first language is different from the primary language of the requesting 25 client node.

30 34. The computer program product as recited in claim 33, wherein the translating the log entries comprises matching the message identification of a log entry with a corresponding replacement text in the primary language of the requesting client node.

~~35. A system for managing result information in a~~

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multi-node networked data processing system; the system comprising:

- first means for receiving, at a first node, first results of execution from a task executed on a second node in the networked data processing system, wherein the results comprise an array of result messages, wherein each result message contains a unique message identifier and associated message text content;
- second means for modifying the result messages to create second results, wherein the second results comprise an array of result message; and
- third means for sending the second results to a requesting client node.

15 36. The system as recited in claim 35, wherein the result messages comprise at least one log entry.

37. The system as recited in claim 36, wherein the log entry comprises a system log.

20 38. The system as recited in claim 36, wherein the log entry comprises a security log.

39. The system as recited in claim 36, wherein the log entry comprises an audit log.

25 40. The system as recited in claim 36, wherein the log entry comprises an application log.

30 41. The system as recited in claim 35, wherein at least one of the entries in the result messages is an error message and includes a severity field indicating a severity of the error.

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42. The system as recited in claim 41, wherein the severity field is a warning.

5 43. The system as recited in claim 41, wherein the severity field is an informational field.

10 ~~44.~~ A system for transmitting log entries within result data structures through a chain of nodes in a multi-node networked data processing system, the system comprising:
first means for sending, from a first node, a command request to a second node;
second means for receiving, at the first node, results of execution from the second node, wherein the
15 result contains both the program result from the one or more tasks executed and an array of log messages, wherein each log message contains a unique identifier and associated text content; and
third means for modifying the set of log messages received in the result to produce a modified result and placing the modified result into a log system on the first node.

20 45. The system as recited in claim 44, further comprising:

fourth means for transmitting the modified result to a requesting node.

25 46. The system as recited in claim 44, wherein at least some of the set of log messages in the modified result are identical to corresponding log messages in the result.

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47. The system as recited in claim 44, wherein the modified result contains all of the log messages contained within the result.

5 48. The system as recited in claim 44, wherein the modified result contains none of the log messages contained within the result.

10 49. The system as recited in claim 44, wherein the step of modifying comprises placing a modified log entry in the modified results corresponding to an unmodified log entry in the set of log messages in the results.

15 50. The system as recited in claim 44, wherein modifying the set of log messages comprises translating at least one of the log entries in the set of log entries from a first language into a primary language of the requesting client node if the first language is different from the primary language of the requesting client node.

20 51. The system as recited in claim 50, wherein the translating the log entries comprises matching the message identification of a log entry with a corresponding replacement text in the primary language of 25 the requesting client node.